

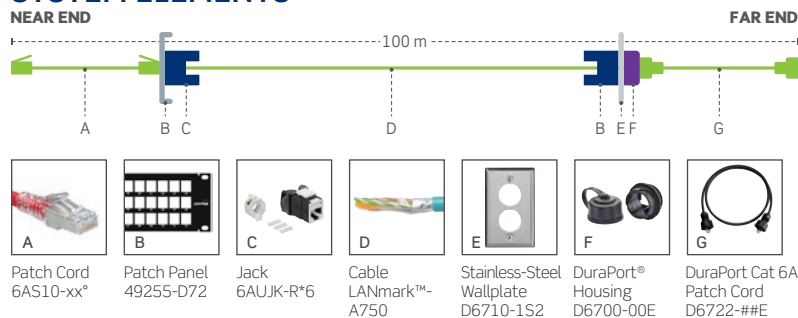
SYSTEM DATA SHEET

# IX6850 | CAT 6A PREMIUM+ X/UTP INDUSTRIAL SYSTEM

**High performance Cat 6A system for light-duty industrial and harsh environment applications. Solid conductor with alien crosstalk prevention technology, 600V, sunlight resistant PVC jacket rated CMR-CMX Outdoor.**

- LANmark™-A750 XTP solid conductor cable with industrial PVC jacket is suitable for light duty industrial applications, rated CMR and CMX outdoor for easy transition from outdoor to indoor environment
- DuraPort® industrial patch cords provide IP67-class protection to safeguard your connectivity from ingress of dust and water in Wash-in-Place (WIP) / Clean-in-Place (CIP) environments
- Ensures excellent alien crosstalk (AXT) immunity
- Atlas-X1® jack is independently tested to exceed performance standards and features an innovative design that allows for tool-free terminations and superior PoE performance
- Exceeds ANSI/TIA-568.2-D Cat 6A and ISO/IEC 11801-1 Class E<sub>A</sub> requirements for channel, link, and component requirements to support IEEE 10GBASE-T (802.3an) networks
- Error-free performance up to 10 Gigabit Ethernet with full duplex transmission up to 500MHz
- Backwards compatible with Gigabit Ethernet to provide seamless migration to 10GBASE-T and supports all Cat 6 and Cat 5e system requirements

## SYSTEM ELEMENTS



### RECOMMENDED FOR

Optimal total cost of ownership for challenging harsh environments in manufacturing, transportation, health care, and government

PoE standards: IEEE 802.3af, 802.3at, 802.3bt, Cisco UPoE, and Power over HDBaseT™ (PoH) up to 100 watts

Wireless access points for IEEE 802.11ac applications

IP-based security and building automation systems utilizing UTP cabling

**CAT  
6A  
PREMIUM+  
INDUSTRIAL**

## LEVITON HOUSINGS AND WALLPLATES

### DURAPORT® JACK HOUSINGS

- Twist-lock mating allows for easy installation and provides a robust seal
- Compatible with all Atlas-X1® and eXtreme® QuickPort® Jacks (sold separately)
- Captive cap with retainer protects and seals unused ports



### DURAPORT STAINLESS-STEEL WALLPLATES

- Patented overmolded gasket on wallplates provides a watertight fit
- Safeguards network in severe conditions and resists moisture and dust
- Provides a complete seal without o-rings
- Compatible with standard NEMA boxes



## LEVITON JACKS

### ATLAS-X1 CAT 6A COMPONENT-RATED QUICKPORT JACKS

- Tested and approved for air-handling spaces (plenum rating, Standard 2043)
- Independently tested and guaranteed to exceed all component, permanent link, and channel margins
- Patented Retention Force Technology™ protects against time damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- PoE optimized tine geometry prevents arcing damage where plug and Jack make contact, extending the life of the jack and ensuring maximum performance
- Solid metal body dissipates 53% more heat than plastic, minimizing damage from excess heat in PoE applications
- Unique, tool-free design requires no specialized termination or re-termination tool
- Proudly manufactured in the U.S.



## LEVITON PATCH CORDS

### ATLAS-X1 CAT 6A SLIMLINE BOOT PATCH CORDS

- Tested and verified for TIA Cat 6A component and channel requirements
- Excellent alien crosstalk (AXT) suppression
- 26-gauge stranded for maximum flexibility in any density patching environment
- Nominal outer diameter of .24" reduces cable pathway congestion
- SlimLine-design modular boot supports high-density patching
- Available from stock in lengths of 3', 5', 7', 10', 15', 20' and in 7 colors
- Country of Origin is U.S., manufactured using Berk-Tek cable



### DURAPORT PATCH CORDS

- IP67 rating safeguards connectivity from dust and water ingress
- Available in industrial plug to industrial plug, and industrial plug to RJ-45 plug configurations
- Cat 6A shielded and Cat 6 UTP available in 3' to 50' lengths, black
- Compatible with Leviton heavy-duty Weatherproof Boxes, available in single-gang (1GM53, 1GM73) and two-gang (2GM53, 2GM55, 2GM73, 2GM75)



## BERK-TEK CABLE

### LANMARK™-A750 XTP SOLID CONDUCTOR CABLE

- Innovative noise-canceling XTP technology delivers superior alien crosstalk (AXT) suppression
- Suitable for light to medium duty, static, industrial applications
- CMR and CMX Outdoor rating allows for easy transition from indoor to outdoor environments
- Verified to ANSI/TIA-568.2-D Category 6A
- Proudly manufactured in the U.S.



## LEVITON PATCH PANELS

### CAT 6A E2XHD, 110-STYLE, AND QUICKPORT PATCH PANELS

- Available in cassette-style, 110-Style, and QuickPort flat, angled, recessed angled, recessed, and zero-u configurations
- Patented triple-stage compensation design with integrated flexible circuit enhances link and channel performance
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation
- QuickPort patch panels available in high-density applications



## PART NUMBERS - Common part numbers shown. Many additional colors, lengths, and other options available online.

LEVITON HOUSINGS				
Housing with Cap (jack sold separately)				D6700-00E
Cap (housing not included)				D6701-00E
LEVITON WALLPLATES				
	1 PORT, SINGLE GANG	2 PORT, SINGLE GANG	2 PORT, DUAL GANG	4 PORT, DUAL GANG
DuraPort Industrial Wallplate, stainless steel	D6710-1S1	D6710-1S2	D6710-2S2	D6710-2S4
LEVITON JACKS				
	STANDARD		WITH SHUTTER	ADDITIONAL ICONS
Atlas-X1 Cat 6A UTP Component-Rated QuickPort Jack	6AUJK-R*6		6AUJK-S*6	ICONS-IC*
LEVITON E2XHD CASSETTES				
e2XHD Empty Cassette+				E2XHD-BRK
LEVITON PATCH PANELS				
	1RU, 24-PORT	1RU, 48-PORT	2RU, 48-PORT	2RU, 72-PORT
Cat 6A 110-Style Patch Panel	6A58x-U24		6A58x-U48	
e2XHD High-Density Patch Panel*		E2X1†-S48		
QuickPort Patch Panel+	4925‡-H24	4925‡-Q48	4925‡-H48	4925‡-D72
LEVITON PATCH CORDS				
Atlas-X1 Cat 6A SlimLine Boot Patch Cord				6AS10-xx°
DuraPort Industrial Plug to Industrial Plug				D6722-##E
Industrial Plug to RJ-45 Plug				D6723-##E
BERK-TEK CABLE				
LANmark-A750 Cat 6A XTP Solid UTP Cable, reel (1000 ft)				TEAL 11099213

\* = Jack Color: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (L), Green (V), Gray (G), Black (E), Brown (B) x = Flat (6), Angled (7)  
 † = Solid empty, load with 6AUJK jacks ‡ = Solid empty, load with E2XHD-BRK cassettes ‡ = Flat (F), Angled (A) ‡ = Flat (5), Angled (6) xx = Length: 3, 5, 7, 10, 15, 20 feet  
 ° = Color: White (W), Yellow (Y), Blue (L), Black (E), Red (R), Green (G), Gray (S), Orange (O), Violet (V) ## = Length in feet: 03, 05, 07, 10, 15, 20, 35, 50